

# Choose your project – The Solar System to Scale or Planet Travel Brochure

## The Solar System to Scale

Name \_\_\_\_\_

Assigned – Monday, October 17, 2016

Science - \_\_\_\_\_

DUE DATE – Tuesday, October 25th

Early turn in – Friday, October 21<sup>th</sup> (+10 pts)

Directions: Choose one dimension to make a model to scale – **Circle your choice**

Distance from the Sun – in km **DO NOT BUY A STYROPHOME SOLAR SYSTEM KIT – THEY ARE NOT TO SCALE!**  
Or

Diameter of the Planets – in km

Make a **chart** that gives the actual measurement, using a scale, convert the actual measurements to give the measurements for the scale to be used in your project – be sure they are correct.

Make a Scientific **Model** displaying your information to scale.

**Use data from classroom chart! Include units used with data – km and cm! Scales are given below...**

Scientific Knowledge = 20 points	The distances in km or diameters in km given on the chart are correct	
Scale on Chart = 30 points See samples below...	The scale is given, the conversions are correct, and presented in a chart with distance units included	
Scientific Model with Labels = 30 points The Model must be to scale. The scale measurements should match the model measurements...	All planets are labeled with names and both the actual measurements in km and the scale measurements in cm. The model measurements are correct.	
Visual Appearance = 10 points	Your project has a title, is written in ink, is attractive, neat and in color. Full heading is in the upper right hand corner.	
Materials = 10 points	Your materials function well and enhance the project.	

**You must turn this sheet in with your project! (or –10 points)**

Total: \_\_\_\_\_

Sample Chart for Distance

Planet	Actual Distance to the Sun	Scale	Scale Distance to the Sun
Mercury	58,000,000km	100,000,000km = 1 cm	.58 cm

Sample Chart for Diameter

Planet	Actual Diameter of the Planet	Scale	Scale Diameter of the Planet
Mercury	4880 km	3,000km = 1 cm	1.62cm

# Choose your project – Planet Travel Brochure or The Solar System to Scale

## Planet Travel Brochure

Name \_\_\_\_\_

Assigned – Monday, October 17, 2016

Science - \_\_\_\_\_

DUE DATE – Tuesday, October 25th

Early turn in – Friday, October 21<sup>th</sup> (+10 pts)

Directions: You will choose a planet and create a travel brochure! Be sure to include important facts and interesting features about your planet. **The goal is to attract visitors to your planet.**

To make your brochure, you may use any computer software program or do your brochure by hand.

**Use data from the classroom chart! No Pencil should be on the Project!**

Name = 5 points	Full heading is on the <b>back cover</b> of the brochure	
Pictures = 15 points	<b>3 pictures</b> are on the brochure (may be hand drawn or computer images)	
Slogan = 10 points	A <b>catchy slogan</b> is included on the brochure	
Special Features = 25 points	<b>5 interesting places</b> to visit are included in the brochure with details (tell about them)	
Planet Statistics =25 points Write distances out in standard form. Ex. 3,400km not 3.4x1000km	<b>5 facts – Correct</b> 1. year length 2. day length 3. distance from the sun – in km 4. diameter of planet – in km 5. # of moons	
Creativity = 10 points	Student demonstrates <b>creativity</b> in names of places, sites to visit, restaurants, and hotels	
Color and neatness = 10 points <b>No Pencil!</b>	<b>Color</b> choice of pictures, wording (in ink), and brochure are pleasing to the eye and <b>easy to read</b> . Brochure is folded correctly. Grammar rules	

**You must turn this sheet in with your project! (or -10 pts)**

Total: \_\_\_\_\_